JLOTS
Joint Logistics Over-the-Shore

USTRANSCOM Perspectives

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Agenda

- JLOTS - Description and Capabilities
  - USTRANSCOM Oversight Role
    - JLOTS Program and Assessment
      - The Road Ahead
        - TURBO PATRIOT 2000

Joint Logistics Over-the-Shore

A Critical Power Projection Capability

JLOTS is a *Unified Commander's* joint employment of Army/Navy LOTS forces to ensure *deployment and sustainment of US forces worldwide.* JLOTS operations allow *strategic sealift* ships to discharge cargo through inadequate or damaged ports or over a bare beach in austere locations. JLOTS watercraft can also be used to *tactically reposition* units, equipment and materiel *within a*

Why do we need JLOTS?

REALITY:

- **Mission requirement is 5 divisions in 75 days**
- **More deep draft vessels in strategic sealift fleet**
- **Worldwide deep draft ports remain limited in many areas**
- **Port denial is expected**

JLOTS Offsets:

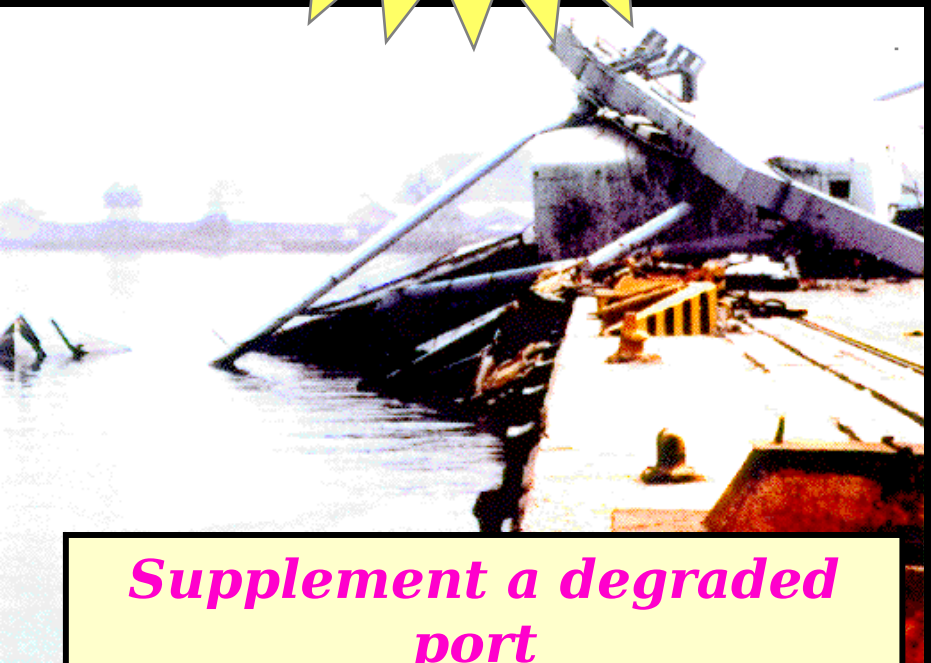
- **Port Denial**
- **Port Draft**
- **Port Congestion**

JLOTS Provides a Unique Capability

JLOTS Capabilities/Operations

JLOTS supports force closure, sustainment, and intratheater lift requirements!

Augment an established port



Supplement a degraded port

Establish a new port

USTRANSCOM's Oversight Responsibilities

- 1987 CJCS assigned JLOTS oversight role to USTRANSCOM
- Oversight defined as:
  - Program advocate
  - Proponent for Joint Doctrine (Lead Agent)
  - Planning Assistance to CINCs
  - Review of POMs (Service/Joint)
  - JLOTS Exercise Oversight

JLOTS Program

Our VISION: **A *trained and ready force* capable of planning and executing JLOTS operations to meet geographic CINCs theater deployment and sustainment requirements.**

Our GOAL: **A coordinated, comprehensive plan that *examines* and *evaluates* planning and executing of JLOTS and provides focused actions to ensure mission accomplishment.**

Our STRATEGY: **A *partnership* between JCS, USTRANSCOM, CINCs and Service operating forces in planning, executing and evaluating JLOTS requirements and capabilities.**

How We Define Success……

……How Well We Are Doing

Current Assessment

- **DOCTRINE - JLOTS doctrine is "up-to-date", understood, incorporated in service doctrine and implemented by operating forces and CINC staffs.** — **Y**
- **FORCE STRUCTURE - Service LOTS force structure is properly apportioned and trained to meet DPG and CINC mission requirements.** — **Y**
- **INTEROPERABILITY - Service LOTS forces and equipment capable of operating together as part of a Joint Task Force** — **Y**
- **PLANNING - Each CINC's JLOTS requirements are defined and articulated in OPLANs and CONPLANs.** — **Y**
- **EXERCISES - JLOTS exercises are planned**

The Problems

Critical Deficiencies:

- **Planning**
  - **JLOTS not well understood by planners**
    - **Throughput, Forces, Capabilities and Lead Times**
  - **JLOTS CONOPS not in OPLANS**
  - **LOTS units not in TPFDD**
- **Funding**
  - **JCS exercise budget cuts**
    - **USTRANSCOM programs JCS funding for airlift, sealift, and port handling/inland transportation**
  - **Service cuts, JLOTS money not "fenced"**
    - **Services program O&M funds to cover costs for unit participation**
- **CINC J3 Buy-in**
  - **Perception that JLOTS is purely a logistics exercise**
  - **JLOTS: High risk + Expensive = Low Priority**
- **Major Force Protection issues in theater**

A coordinated, comprehensive EXERCISE PROGRAM can address many of the

Cost of a JLOTS Exercise

CONUS

$10M

- $250K Navy O&M
- $250K Army O&M
- $9.5M Transportation

OCONUS

$23M

- $1.5M Navy O&M
- $1.5M Army O&M
- $20M Transportation

★ Cost estimate for JLOTS involving a JLOTS force of 800 - 1000 personnel, conducting wet and dry ops, with 4 ships used for strategic deployment. Does not include the cost to CINCs or Services for deployment of cargo being delivered.

Ideal JLOTS Exercise

Script exercise based on CINC OPLANs or CONPLANs

- JTF HQ's
- Joint C2
- Forces structure of 800+ pax
- Liquid/dry cargo operations
  - Wheeled/tracked vehicles (RO/RO) & Containers (LO/LO)
  - OPDS/IPDS
- Interoperable systems
  - Tactical (ELCAS, RRDF, watercraft/lighters and OPDS/IPDS)
  - Strategic Shipping
    - Cargo (LMSR, FSS, RRF RO/ROs (they're not all the same!), commercial containership (engage VISA carriers!), and OPDS tanker)
    - JLOTS Forces (SEABEE/LASH/T-ACS)
- Formal evaluation and after action review/report

Plan Of Action

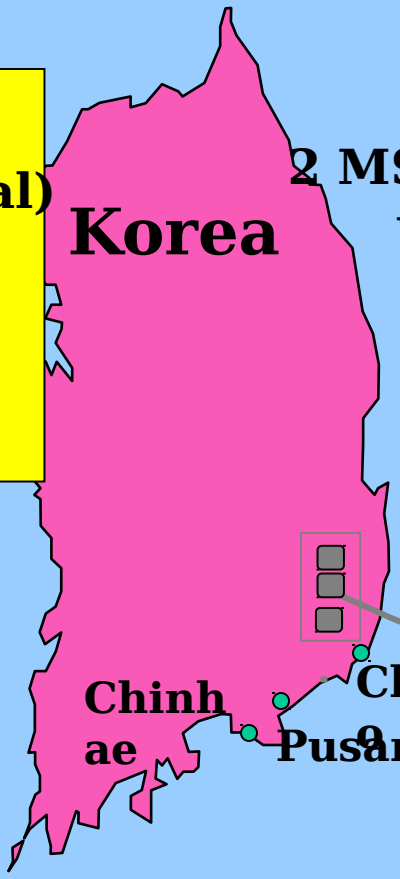
- Continue to work CINC/JCS JLOTS support
  - Joint partnership with Joint Staff, CINCs, Services, and DOD Agencies a must!
- Press for expanded JLOTS Exercise Funding
- Increase flexibility in use of JCS funding
  - Watercraft self-deployment
  - JLOTS CPX
- Focus on OPLAN requirements & MRS 05 findings
- Exploit CONUS exercise opportunities
  - NTC rotations, SEDREs, APS downloads
  - “More bang for the buck”
  - Script for OCONUS scenarios

The Road Ahead...

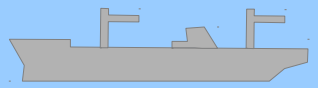
- JLOTS Board Meeting (5-6 Feb)
- World Wide Exercise Planning Conference (12-14 Feb)
- JLOTS Doctrine Review & Rewrite (JP 4-01.6)
- CPX Development (Oct 01)
- CINC watercraft and FLO/FLO requirements
- Planning conferences for FY02/03 exercises
- Monitor Sea State 3 Progress (e.g. Flickertail State in JLOTS01, JMLS Status)
- Plan, conduct and evaluate JLOTS 01 (Korea)

TC01/JLOTS01 General CONOPS

Navy ELCAS
1 LSV (JLOTS & intra-coastal)
OPDS/IPDS
Floating causeways
Causeway pier
LCU 1600s (TBD)

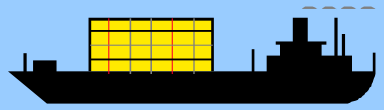


2 MSC-provided vessels with ELCA
watercraft, causeways, IPDS

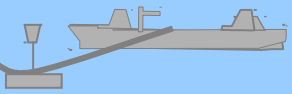


T-ACS

SEABEE



TURBO CADS vessel (V



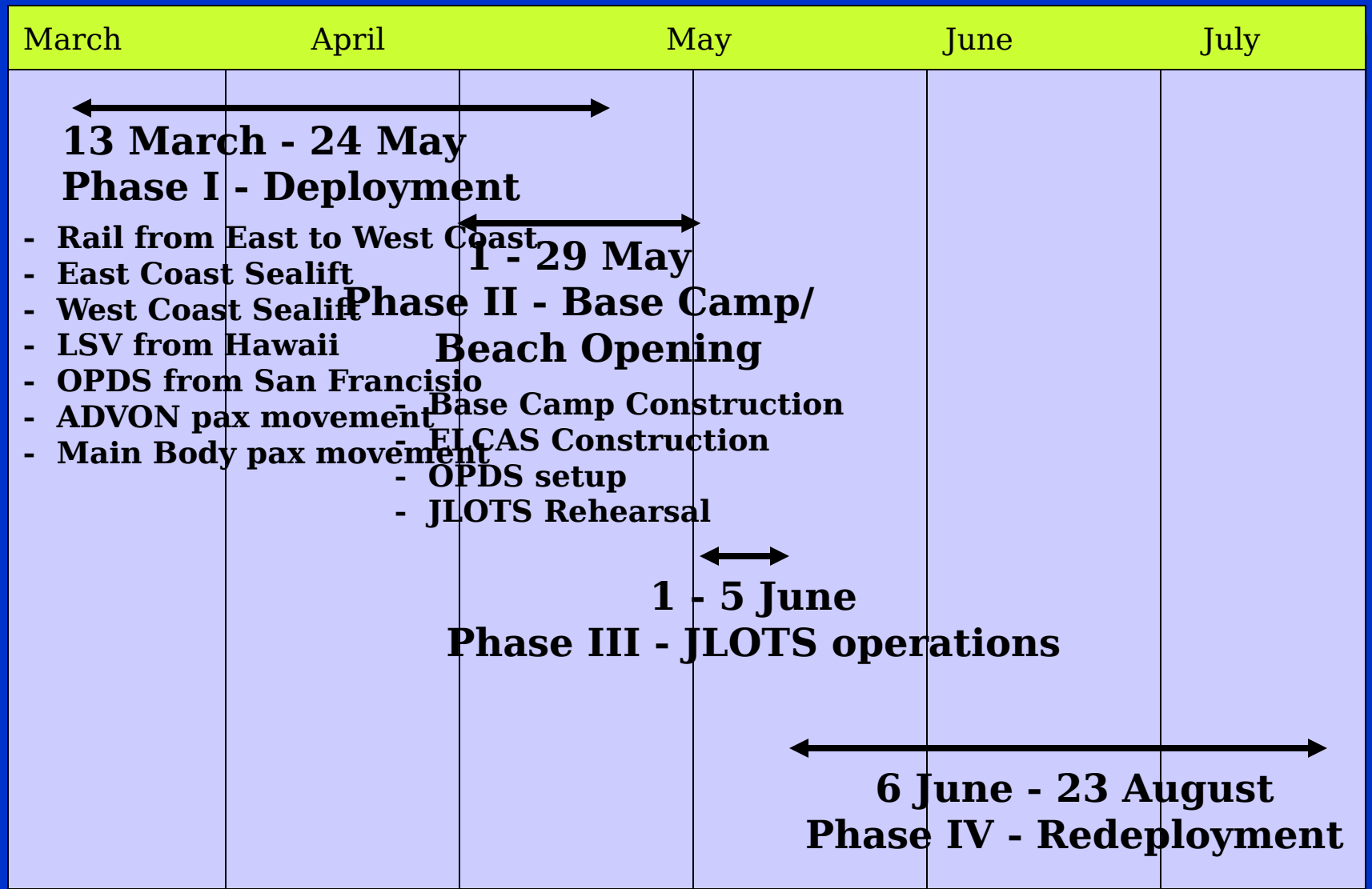
OPDS Tanker linked to IP

1 LSV from CONUS

First container ashore 1 Jun 00:

- 300 at Chilpo

TC01/JLOTS01 TIME LINE



FY01-06 JLOTS Exercise Schedule

FY01	FY02	FY03	FY04	FY05	FY06
PACOM **TURBO CADS**	**CENTCOM (EUCOM)** **TBD**	**PACOM** **FOAL EAGLE**	**SOUTHCOM** **NEW HORIZONS**	**PACOM** **TBD**	**CENTCOM (EUCOM)** **TBD**

- **Recommended by JLOTS Board last year**
  - **O-6 level: JS J4/CINCs/Services)**
  - **Focus training on MTW CINCs & requirements**

UNITED STATES
TRANSPORTATION COMMAND
TURBO PATRIOT '00

TURBO PATRIOT
12-16 Sep 00
Camp Pendleton CA

- Replaced cancelled NATIVE ATLAS 00
- Supported 25th Infantry Division (L) deployment to NTC
- 143D TRANSCOM was Executive Agent and JLOTS JTF Commander
- JTF (Army/Navy/Marine/USAF) of 1100 personnel
- 5 ships including 1 LMSR, 3 RRF (OPDS tanker, T-ACS crane ship, SEABEE) and 1 commercial oceangoing tug/barge
- Significant strategic deployment by air and rail from East Coast
- JLOTS Systems employed included:
  - Offshore Petroleum Discharge System (OPDS) / Inland Petroleum Distribution System (IPDS) / Amphibious Assault Bulk Fuel System (AABFS)
  - Elevated Causeway System (ELCAS) / Trident Pier / RO/RO Discharge Facility
  - Army LCU-2000s and Navy lighterage and floating causeway systems

Exercise Objectives: Successes

- 25th ID equipment delivered to NTC on time
- Train-up for JLOTS01/TURBOCADS01 in Korea
- OPDS/IPDS/AABFS linkage effective, all simulated “fuel” pumped
- Limited container ops conducted with watercraft and crane ship
- Safety was primary consideration
- Many lessons learned

Strategic Lift Vessels

SS Chesapeake

USNS Seay

SS Cape Mohican

SS Grand Canyon Stat

Lessons Learned: Force Structure

- **Assessment - Service LOTS force structure is not properly equipped to meet mission requirements.**
  - Sea State 3 capability lacking
  - Lack of traffic control C2 equipment
  - OPDS deployment limitations

- **Recommendations**
  - ✔ Support full Sea State 3 R&D and acquisition programs (RIB, JMLS, Crane)
  - ✔ Develop traffic control system recommendation and update doctrine
  - ✔ Work w/MSC & MARAD on OPDS Plan of Action

OPDS: SALM Deployment

Observation: Sea State Conditions

- **Sea state conditions during exercise**
  - **Sea states differed by location (surf zone, littorals, off-shore)**
  - **Swell ranged from 2-8’ at offshore ship locations and shut down ops at upper limit (6-8’)**
  - **TRIDENT & ELCAS piers were not used for 25th ID cargo ops**
  - **Exercise highlighted the need for SS3 capable causeway design**
  - **Different scales were used to define sea**

Effect of Swells on Causeway Pier

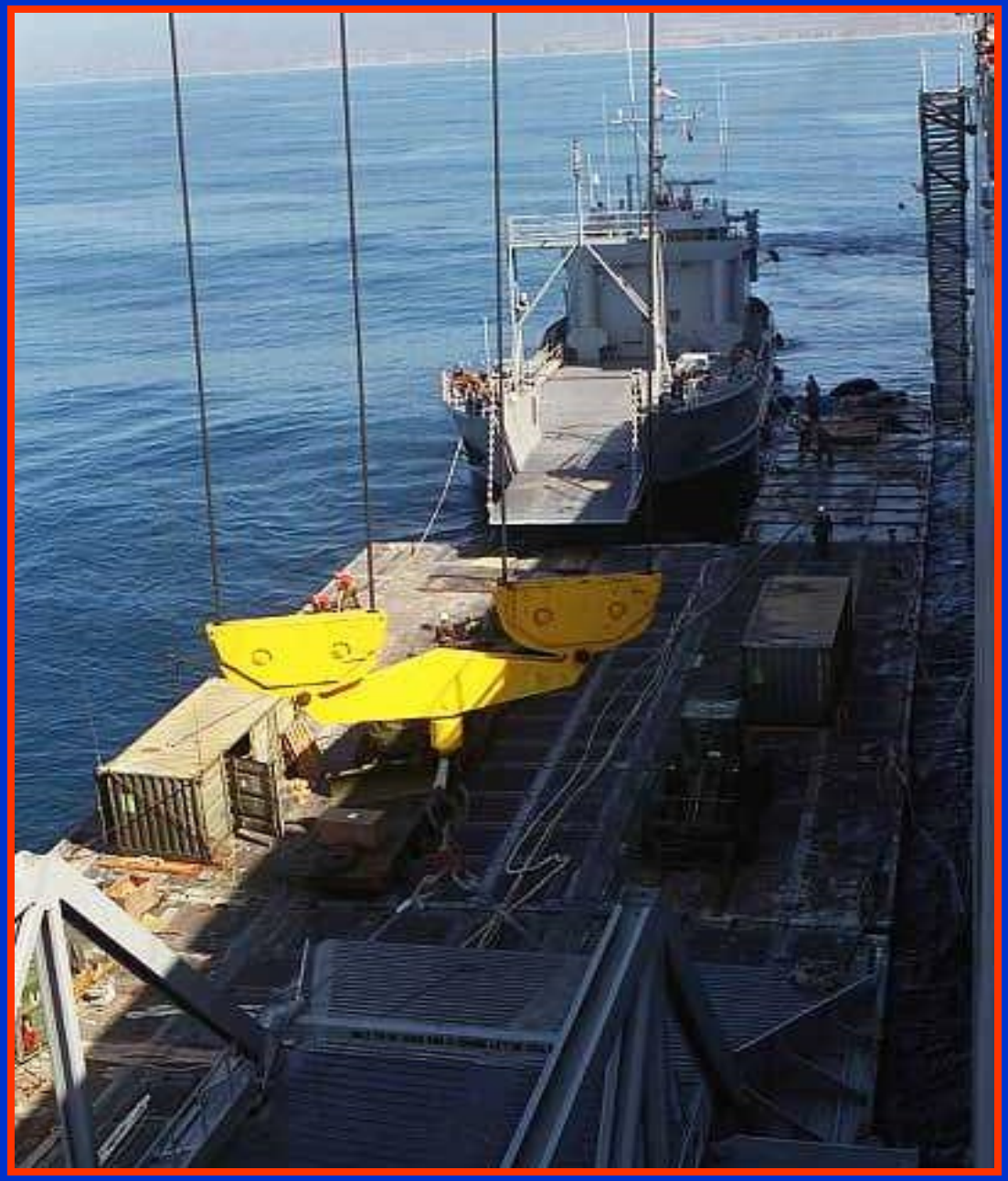
Lessons Learned: Interoperability

- **Assessment -** Service LOTS forces and equipment had difficulty operating together as part of a Joint Task Force
  - Service doctrine (terms and procedures) still differ
  - Roll On/Roll Off Discharge Facility (RRDF) interoperability problems
  - Commo gear not interoperable (heavy cell phones)
- **Recommendations**
  - ✔ Correct differences in Service and Joint doctrine
  - ✔ Develop JLOTS simulation/CPX
  - ✔ Develop commo plan/package to support Joint ops

Observation: RRDF

- **RRDF problems**
  - Lack of fendering
  - Problems experienced during period of moderate swell conditions (6-8’ height, 40-50 second period)
    - **LMSR RO/RO cargo ops shut down due to safety concerns**
    - **Potential damage to vessel ramp due to excessive pounding on RRDF - required ramp to be raised**
    - **Mooring lines from RRDF to LMSR continually parted during in swells**
    - **Army/Navy lighterage were unable to interface**

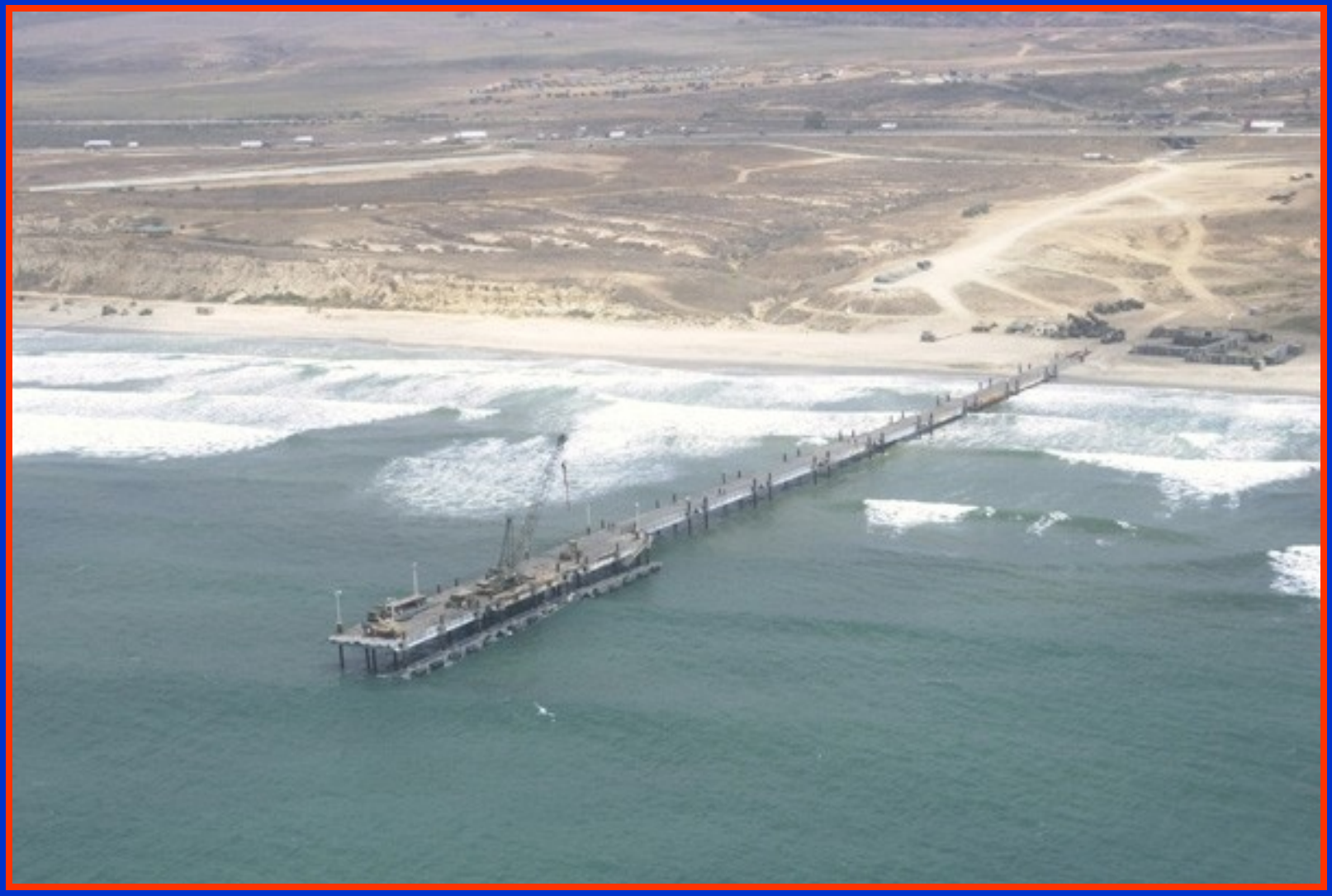
LCU 2000 attempting interface with RRDF



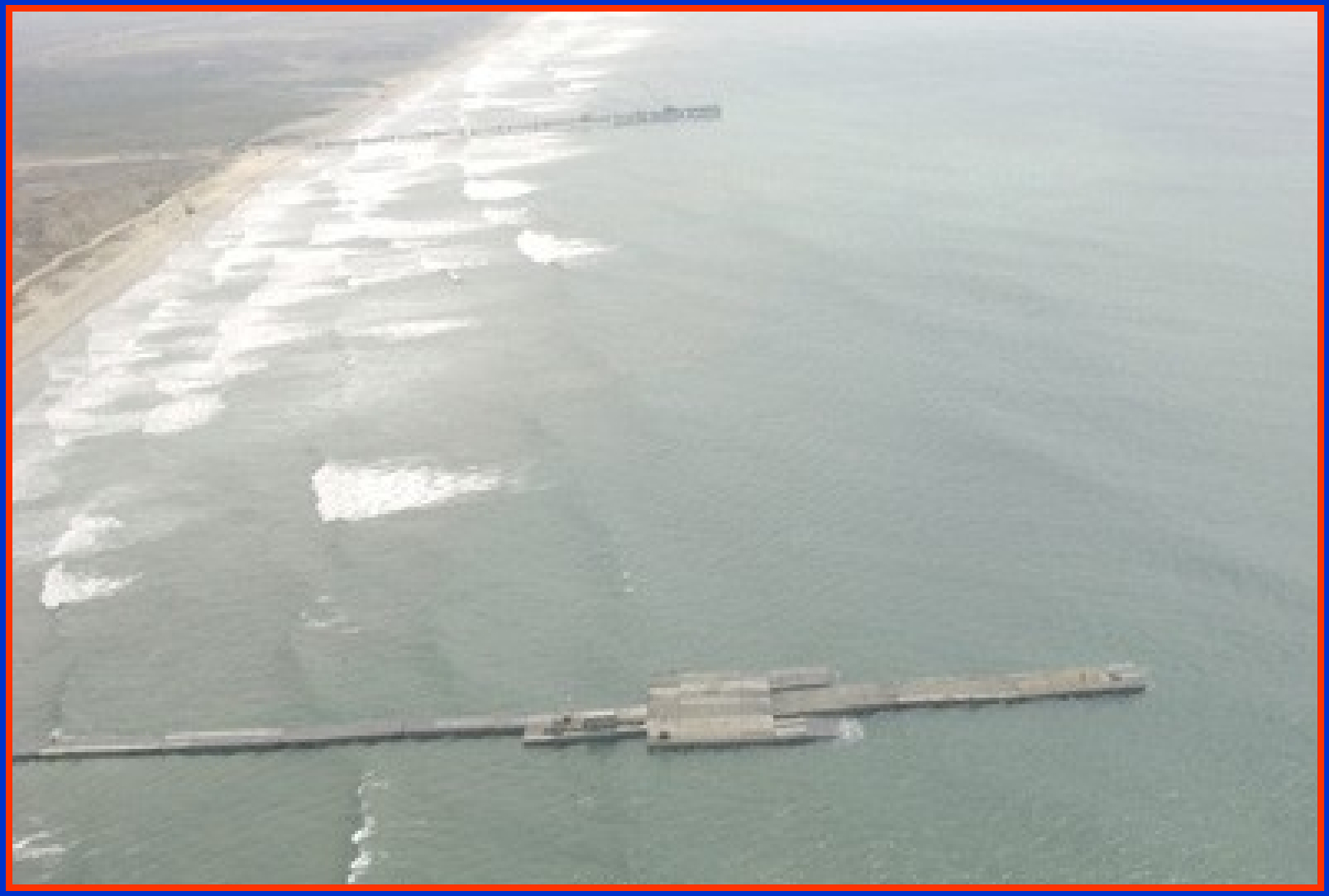
Lessons Learned: DOCTRINE

- **Assessment - JLOTS doctrine lacks detail on C2 and transition by phase**
  - **Lacks clarity of "who's in charge" at key nodes**
  - **Lack of linkage between wet and dry ops**
  - **Lack of watercraft traffic control doctrine & supporting C2 equipment**
  - **Lack of joint control of beach clearance**

- **Recommendations**
  - ✔ **Clarify/update C2 doctrine in JLOTS Joint Pub 4-01.6**
  - ✔ **Emphasis the use of Joint doctrine in Service operations**
  - ✔ **Ensure joint doctrine is employed properly in future JLOTS exercises**



ELCAS



Army Causeway Pier

IPDS Beach Site

Safe Haven

Admin Pier at Safe Haven

JTF Base Camp

Over-the-Shore Operations

Over-the-Shore Operations

TP00 - Bottom Line

- ✔ TP00 validated the need to execute large scale annual exercises with base line JLOTS forces
- ✔ Rewrite Joint Pub 4-01.6 to address C2 weaknesses
- ✔ Develop CPX/Simulations package to train JLOTS JTF staffs and units
- ✔ Continue to press for SS3 capable systems
- ✔ Certify selected RRF vessel ramps for in-stream ops
- ✔ Evaluate JLOTS01 - Develop OPDS Plan of Action
- ✔ Include force protection forces in future exercises